

We Claim

1. Transmission and reception device for a mobile radio base station comprising a plurality of transmission and reception units and hence a plurality of carriers, the transmission and reception units being accommodated in push-in modules and each having a modulator, a channel frequency device and an output stage,
5 said device comprising:

at least some of the push-in modules comprise two full transmission and reception units having a first and a second transmission branch;

the two transmission branches are connected to a transmission
10 connection via an incorporated hybrid combiner in order to provide two mutually combined carriers in a first mode of operation for relatively high capacity; and

in a second mode of operation for high output power, the two transmission branches are additionally connected to one another by means of
15 an internal changeover device such that the same transmitted signal is routed at least via the output stages of both transmission branches.

2. Transmission and reception device according to Claim 1, wherein the internal changeover device comprises a combination switch which connects the output of the channel frequency device in one transmission
20 branch to both output stages.

3. Transmission and reception device according to Claim 2, wherein the same transit time delay can be set for both output stages.

4. Transmission and reception device according to Claim 1 wherein the hybrid combiner is in the form of a branch arm coupler and in that a 90°
25 phase shifting device is provided in the course of the output stage of one transmission branch.

5. Transmission and reception device according to Claim 4 wherein the 90° phase shifting device is connected directly upstream of the hybrid combiner.

6. Transmission and reception device according to Claim 4 wherein the 90° phase shifting device is connected directly upstream of the amplifier in the output stage.

7. Transmission and reception device according to

- 5 Claim 1 wherein the internal changeover devices cover the connection of
frequency-generating elements in one branch to mixers in the other branch.